

# **A Novel Single-Capacitor Single-Operational-Amplifier Sinusoidaloscillator**

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## **Summary**

The well known operational amplifier based Schmitt-trigger square wave generator is shown to behave as a sinusoidal oscillator at relatively high frequencies. This is attributed to the widely ignored frequency-dependence characteristic of the differential gain of the operational amplifier. Experimental results are in excellent agreement with theoretical predictions

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